

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2003/001549

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: C02F 001/46, C25B 015/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

SEE ELECTRONIC DATA BASE BELOW

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

DWPI IPC C02F 001/46, C25B 015/02 and keyword s electro coag+ and releas+ or connect+: electrocoag+ constant+ current+ and volt+

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	US 2002 /0185446 A (Jonny) 12 December 2002 Attention items 30 and 32 page 6	1-8
X	Derwent Accession No 2002-14324/19 Class D15J03 JP 2001310188A (Sanyo Electric Co Ltd.) 6 November 2001 See whole document	1-8
X	Derwent Accession No 98-406810/35 Class D15J03 JP 101 65957 A (Maeda Seisa kusho KK) 23 June 1998 See whole document	1-8

☒ Further documents are listed in the continuation of Box C

☒ See patent family annex

* Special categories of cited documents:
 "A" document defining the general state of the art which is not considered to be of particular relevance
 "E" earlier application or patent but published on or after the international filing date
 "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
 "O" document referring to an oral disclosure, use, exhibition or other means
 "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
 "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
 "&" document member of the same patent family

Date of the actual completion of the international search
21 January 2004

Date of mailing of the international search report
28 JAN 2004

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT.		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/44092 A (Tipton G) 6 June 2002 See whole document	1-8
P.X	US 655143 B (Tanaka K) 22 April 2003 See whole document	1-8
X	WO 9943617 A (Powell S) 3 September 1999 See whole document	9-18
X	EP 1036653 A (Toyo Ink Manufacturing Co.) 20 September 2000 See whole document.	9-18
X	US 3974070A (Popov) 10 August 1976 See whole document.	9-18
X	US 3969203 A (Ramirez) 13 July 1976 See whole document.	9-18
X	US 6358398 B (Halldorson) 19 March 2002 See whole document.	9-18
X	AU 707432 B (Mercier D) 21 November1996 See whole document	9-18
X	WO 9400860(Water Regeneration Systems Inc.) 6 January 1994 See whole document	9-18

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Box I Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos :
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos :
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos :
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)

Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

Claims 1-8 are directed to a electrocoagulation system with a releasable connector.

Claims 9-18 are directed to a electrocoagulation system with a constant voltage/current

1. ☒ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-8

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2003/001549

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member	
US	20020185446	NIL ✓	
JP	200131088	NIL ✓	
JP	10165957	NIL ✓	
WO	0244092	AU ✓ 19911/02	CA 2430424
US	6551143	CN ✓ 1350350 US 2002049000	EP 1202401 JP 2002134196
WO	9943617	AU ✓ 738707	EP 1058674 US 6139710
US	3974070	FR ✓ 2189323	
US	6358398	AU ✓ 764856	
US	3969203	NIL ✓	
EP	1036653	US ✓ 6406606	
AU	707432	US ✓ 5897765	WO 96283889 EP 0813501
WO	9400860	AU ✓ 667940	US 5389214 EP 0646278